

MEMORANDUM

To: John Baumgartner
City Manager

From: Anthony Talluto
Project Manager

Date: 10/16/2024

Re: Change Order 1 – DR 2004 – Bayridge Flood Reduction Phase 1

Under cover of this memorandum please find the change order document and proposal to increase the construction contract for G.W. Phillips Concrete Construction, Inc in the amount of \$39,238.

The proposal amount falls within the City Manager approval thresholds established in the City's procurement policy. Per Kristin Clark, funding will have to come from the account string below:

DR2004- PLAN DESIGN- DESIGN2- 20PROPA

If this meets your approval, please indicate by signing and dating below and executing the professional services agreement documents.

Thank you.

DocuSigned by:

Kristin Clark, CIP Administrator

12/17/2024
Date

DocuSigned by:

Ron Bavarian, Executive Director of Capital Projects

12/17/2024
Date

Signed by:

John Baumgartner
City Manager

12/19/2024
Date

CHANGE ORDER (CO) NO. 001

| | |
|-------------|--|
| PROJECT: | DR 2004 – Bayridge Flood Reduction Phase 1 |
| OWNER: | City of League City |
| ENGINEER: | LJA Engineers |
| CONTRACTOR: | G.W. Phillips Concrete Construction, Inc |

You are directed to make the following changes in the Contract:

DESCRIPTION AND REASON FOR THIS CO:

This change order is requested to alter the location of proposed 8” waterline from median to back of east outside curb and extend it further south, passed Whitesail Dr. This new location also helps the abandonment of field discovered old 4” and 2” lines and provides fire protection and service to the gas station at corner of SH 96. The fire hydrant was nonfunctional due to old 8” waterline in median was taken out of services after decommissioning of the water plant at Bay Ridge Park in 2023. This new alignment provides better looping of water system in this area. This new alignment requires additional length of waterline, some additional crossings, additional casing, as well as a sanitary sewer replacement at the new waterline crossing.

DESCRIBE CONTRACT PRICE (INCREASE/DECREASE) CHANGE FOR THIS CO:

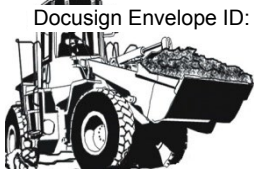
Increase the contract by \$39,238

ATTACHMENTS: Cost proposals, new plan sheet alignment

CHANGES IN CONTRACT PRICE

| | | |
|--------------------------------------|----|--|
| ORIGINAL CONTRACT PRICE: | \$ | 919,283.45 |
| NET CHANGES FROM PREVIOUS CO: | \$ | 0.00 |
| CHANGE BY THIS CO: | \$ | 39,238.00 |
| CONTRACT PRICE WITH ALL APPROVED CO: | \$ | 958,521.45 958,521.45 <i>Just</i> |

| | | |
|--------------------|---|------------------|
| RECOMMENDED BY: | <div>Signed by: <i>Anthony Telluto</i> Anthony Telluto, Project Manager</div> | DATE: 10/30/2024 |
| OWNER APPROVAL BY: | <div>Signed by: <i>John Baumgartner</i> John Baumgartner, City Manager</div> | DATE: 10/30/2024 |



G.W. Phillips Concrete Construction, Inc.

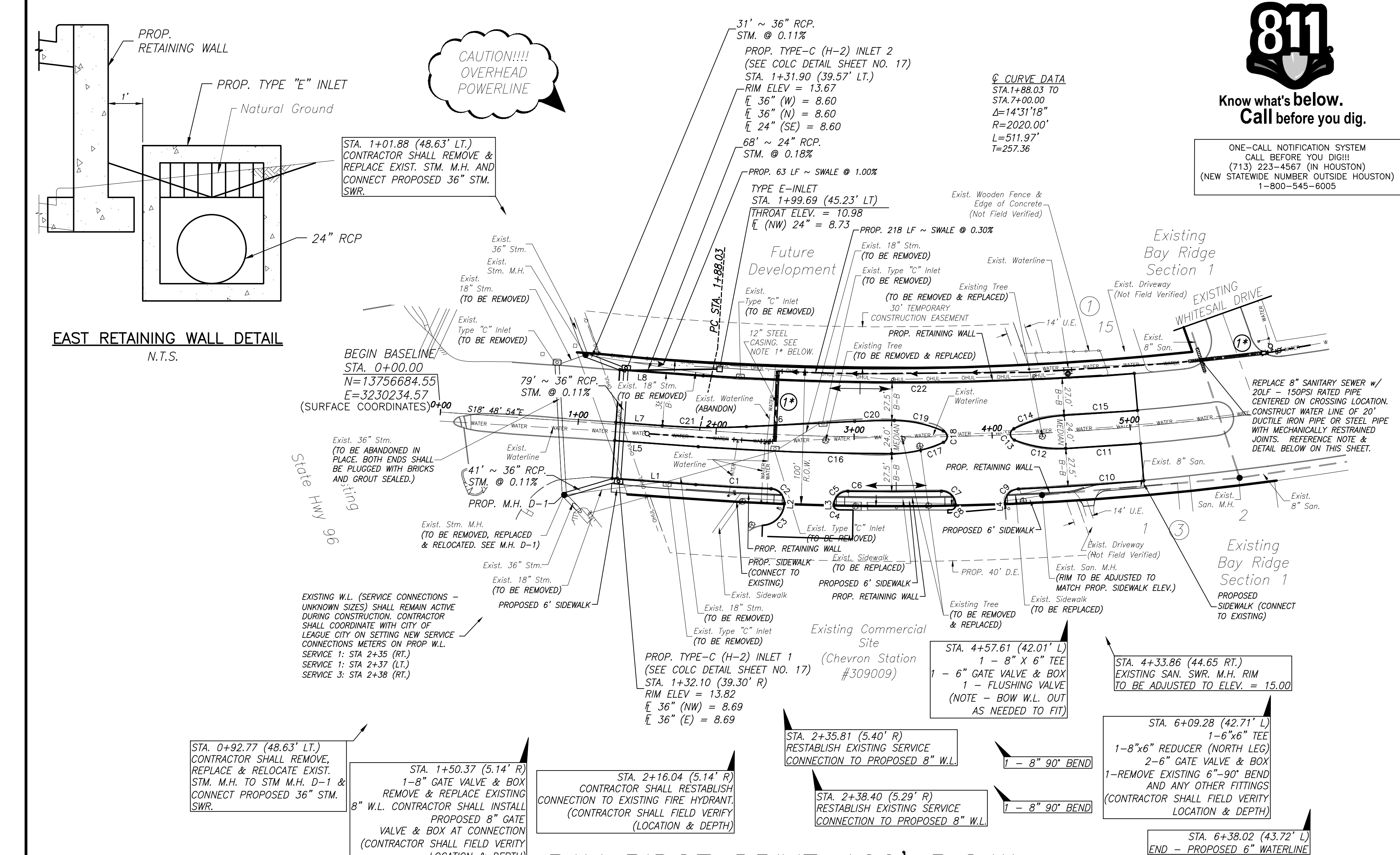
10/9/2024

117 Oates Road Houston, Texas 77013 Ph: (713) 674-9400

BAY RIDGE FLOOD REDUCTION – PHASE 1

CHANGE ORDER NO. ~~2~~ 1

| <u>ITEM</u> | <u>DESCRIPTION</u> | <u>UM</u> | <u>QTY</u> | <u>UNIT</u> | <u>TOTAL</u> |
|--|---|-----------|------------|-------------|--------------|
| CHANGE ORDER NO. 2 1 | | | | | |
| ADD | ALTERNATE A: ITEM 1: 8" PVC WATER PIPE, C-900, DR-14, RESTRAINED JOINTS, ALL DEPTHS, TO INCLUDE BEDDING AND BACKFILL, FITTING AND OFFSETS, RECONNECTION INTO MAIN AND SERVICE RECONNECTS, COMPLETE IN PLACE | LF | 60 | \$ 125.00 | \$ 7,500.00 |
| ADD | BASE BID: ITEM 2: REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT AND DRIVEWAYS, INCLUDING SUBGRADE, ALL APPURTENANCES, COMPLETE IN PLACE. | SY | 45 | \$ 3.00 | \$ 135.00 |
| ADD | BASE BID: ITEM 10: 9" REINFORCED CONCRETE PAVEMENT AND DRIVEWAYS, COMPLETE IN PLACE | SY | 45 | \$ 110.00 | \$ 4,950.00 |
| ADD | SECTION D: EXTRA WORK ITEMS: ITEM: 6: EXTRA CEMENT STABILIZED SAND BACKFILL | CY | 80 | \$ 60.00 | \$ 4,800.00 |
| 1 | BORE CASING | LF | 110 | \$ 86.00 | \$ 9,460.00 |
| 2 | MISC. FITTINGS | LS | 1 | \$ 3,993.00 | \$ 3,993.00 |
| 3 | SANITARY SEWER ADDITION: CL160 GREEN 150 PSI | LF | 20 | \$ 420.00 | \$ 8,400.00 |
| | | | | TOTAL: | \$ 39,238.00 |



Know what's below.
Call before you dig.

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!!
(713) 223-4567 (IN HOUSTON)
(NEW STATEWIDE NUMBER OUTSIDE HOUSTON)
1-800-545-6005

| Line Table | | |
|------------|--------|------------------|
| Line # | Length | Direction |
| L1 | 60.70 | S18° 36' 23.35"E |
| L2 | 0.61 | S71° 11' 39.39"W |
| L3 | 0.58 | S68° 23' 24.80"W |
| L4 | 3.65 | S62° 19' 40.26"W |
| L5 | 60.70 | S18° 35' 32.87"E |
| L6 | 78.55 | N25° 40' 11.77"W |
| L7 | 33.71 | N18° 46' 40.18"W |
| L8 | 60.70 | S18° 43' 13.04"E |

| Curve Table | | | | | | | | | |
|-------------|-------------------------------|-------------------------------|--------|-----------|------------------|------------|----------------|--|--|
| CURVE # | START | END | DELTA | RADIUS | CHORD BEARING | ARC LENGTH | CHORD DISTANCE | | |
| C1 | N=13756493.83 E=3230287.82 | N=13756442.32 E=3230276.14 | 001.52 | 2059.50 | S19° 34' 32.28"E | 54.68 | 54.67 | | |
| C2 | N=13756429.51 E=3230270.36 | N=13756442.32 E=3230276.14 | 089.22 | 10.00 | N24° 16' 34.36"E | 15.57 | 14.05 | | |
| C3 | N=13756437.92 E=3230249.40 | N=13756429.51 E=3230276.14 | 084.57 | 16.44 | S67° 06' 07.51"E | 24.27 | 22.13 | | |
| C4 | N=13756395.72 E=3230286.21 | N=13756391.79 E=3230281.12 | 090.63 | 3.00 | S23° 04' 23.58"W | 4.75 | 4.27 | | |
| C5 | N=13756390.33 E=3230296.21 | N=13756395.93 E=3230283.33 | 089.22 | 10.00 | N66° 29' 56.45"W | 15.57 | 14.05 | | |
| C6 | N=13756390.33 E=3230296.21 | N=13756327.99 E=3230332.45 | 001.88 | 2059.50 | S22° 49' 39.01"E | 67.64 | 67.64 | | |
| C7 | N=13756314.57 E=3230316.75 | N=13756327.99 E=3230332.45 | 093.55 | 10.00 | N23° 00' 23.29"E | 16.33 | 14.57 | | |
| C8 | N=13756316.23 E=3230321.95 | N=13756314.57 E=3230331.67 | 087.50 | 3.00 | S66° 28' 10.16"E | 4.58 | 4.15 | | |
| C9 | N=13756277.29 E=3230345.60 | N=13756282.12 E=3230352.42 | 089.14 | 10.00 | N69° 53' 23.34"W | 15.56 | 14.04 | | |
| C10 | N=13756277.29 E=3230345.60 | N=13756196.02 E=3230385.92 | 002.67 | 1951.58 | S26° 37' 06.55"E | 90.92 | 90.91 | | |
| C11 | N=13756257.11 E=3230385.91 | N=13756208.67 E=3230401.28 | 000.02 | 191764.52 | S26° 42' 20.14"E | 54.23 | 54.23 | | |
| C12 | N=13756293.65 E=3230377.09 | N=13756257.12 E=3230385.92 | 024.24 | 89.50 | S13° 34' 45.96"E | 37.87 | 37.59 | | |
| C13 | N=13756297.21 E=3230384.49 | N=13756293.65 E=3230377.09 | 131.52 | 4.50 | S64° 17' 58.24"W | 10.33 | 8.21 | | |
| C14 | N=13756267.52 E=3230407.53 | N=13756297.21 E=3230384.49 | 024.24 | 89.50 | N37° 49' 17.55"W | 37.87 | 37.59 | | |
| C15 | N=13756219.86 E=3230431.47 | N=13756267.52 E=3230407.54 | 000.19 | 15821.92 | N26° 39' 31.69"W | 53.33 | 53.33 | | |
| C16 | N=13756502.70 E=3230283.85 | N=13756371.74 E=3230333.57 | 003.95 | 2032.00 | S20° 47' 25.36"E | 140.11 | 140.08 | | |
| C17 | N=13756371.74 E=3230333.57 | N=13756340.38 E=3230355.64 | 024.74 | 89.50 | S35° 08' 09.76"E | 38.65 | 38.35 | | |
| C18 | N=13756340.38 E=3230355.64 | N=13756343.62 E=3230363.18 | 131.51 | 4.50 | N66° 44' 19.57"E | 10.33 | 8.21 | | |
| C19 | N=13756343.62 E=3230363.18 | N=13756379.23 E=3230356.45 | 023.36 | 89.50 | N10° 41' 50.34"W | 36.49 | 36.24 | | |
| C20 | N=13756379.23 E=3230356.45 | N=13756405.46 E=3230344.76 | 003.29 | 500.00 | N24° 01' 27.41"W | 28.72 | 28.72 | | |
| C21 | N=13756532.54 E=3230287.78 | N=13756476.26 E=3230301.73 | 006.96 | 500.50 | S22° 11' 18.43"E | 60.82 | 60.79 | | |
| C22 | N=13756519.31 E=3230332.60 | N=13756232.45 E=3230455.30 | 008.34 | 2145.55 | S23° 09' 30.19"E | 312.27 | 311.99 | | |

BENCHMARK:

FROM INTERSECTION OF F.M. NO. 518 W/LAWRENCE ROAD,
GO SOUTH ON LAWRENCE ROAD 0.71 MILE TO POINT IN THE
MIDDLE OF LAWRENCE ROAD. (R.R. SPIKE).

NAD 27
LAT 29°31'12.50148" N
LONG 95°01'47.62649" W
N 634733.836 E 3262376.559
HGT 18.553

NAD 83
LAT 29°31'13.33149" N
LONG 95°01'48.36755" W
N 13758171.758 E 3230783.140
HGT 18.514

- NOTES:
- EXISTING WATER LINE MUST REMAIN IN SERVICE DURING PROJECT. IF ALTERNATE BID IS APPROVED, PROPOSED WATER LINE TO BE INSTALLED ADJACENT TO EXISTING BEFORE PAVEMENT WORK.
 - CONTRACTOR TO COORDINATE WITH CITY ON TEMPORARY OUTAGE OF WATER LINE WHILE CONNECTION IS MADE.

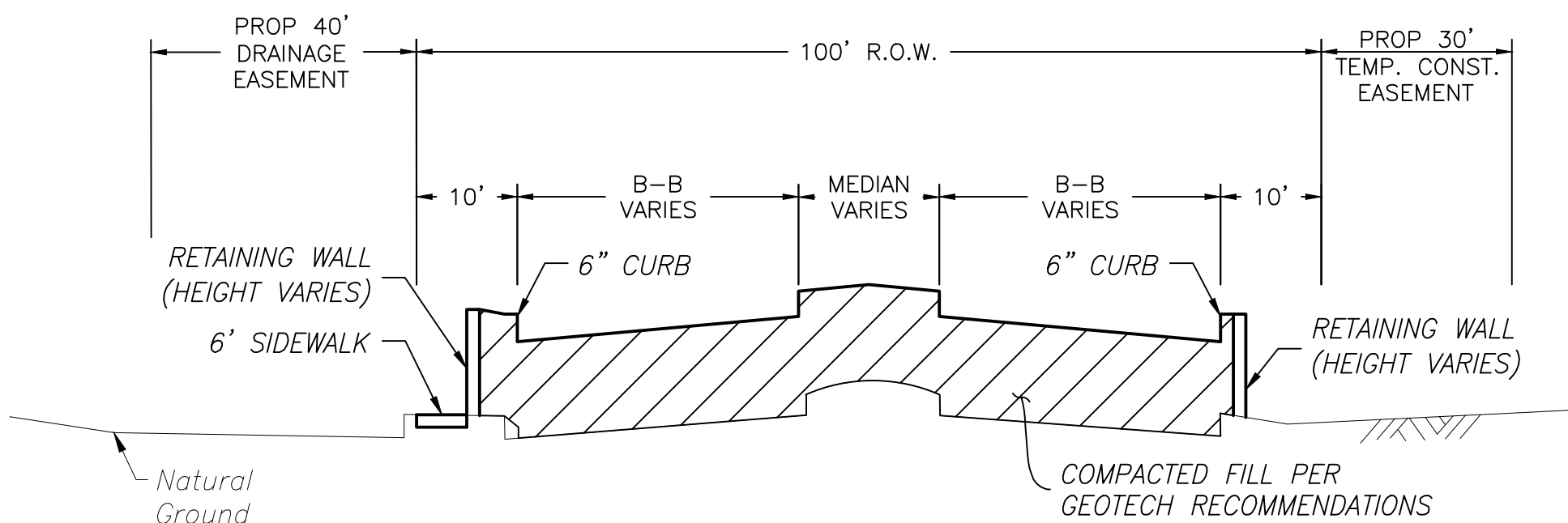
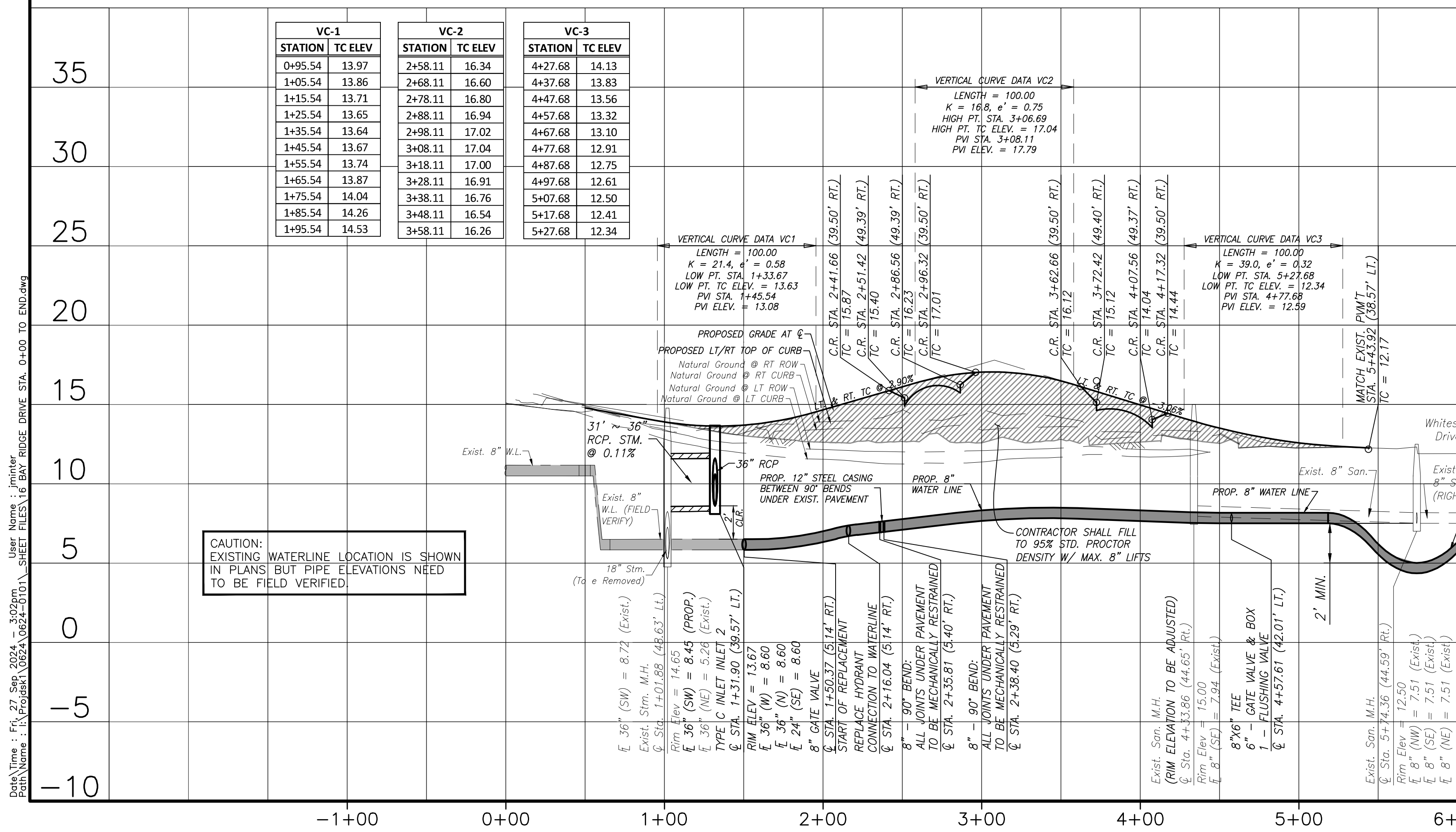
SHEET SPECIFIC W.L. CONSTRUCTION NOTE:

- CONTRACTOR TO CONNECT W.L. AT THE WATER VALVE BY LEAGUE CITY PARKWAY FIRST AND DEAD END THE LINE AT WHITE SAIL WITH A 2" RISER. THEN THE WATER LINE WILL BE PRESSURE TESTED AND A BAC-7. TEST PERFORMED. FOLLOWING BOTH TESTS PASSING THE SERVICE LINES MAY BE RELOCATED TO THE NEW LINE AND MAKE THEN MAKE A WET CONNECTION AT WHITE SAIL.

LEGEND

INDICATES LIMITS OF REMOVE & REPLACE PAVEMENT AND CURB

BAY RIDGE DRIVE 100' R.O.W.

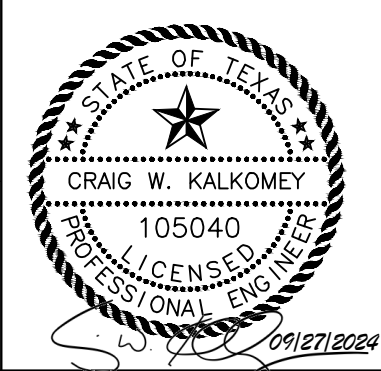
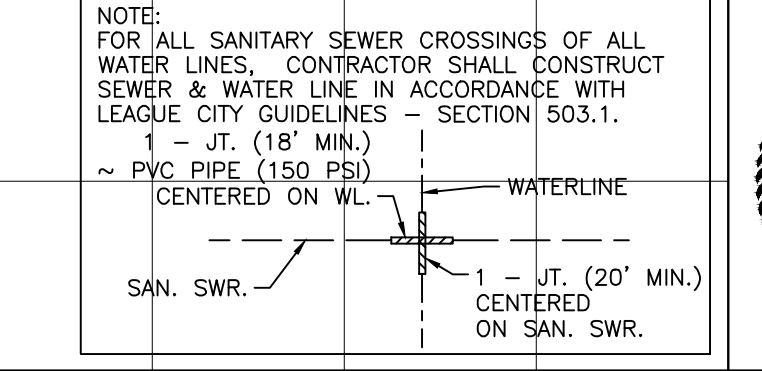


TYPICAL STREET CROSS SECTION GRADING DETAIL

N.T.S.

WATERLINE PAVEMENT CROSSING NOTE:
WHERE PROPOSED WATERLINE CROSSING TRAVELS UNDER PAVEMENT - WATERLINE TO BE ENCASED BY A 12\"/>

SANITARY/WATER LINE CROSSING NOTE:
REPLACE SANITARY SEWER W/ 20\"/>



RECORD DRAWING

I HEREBY CERTIFY THAT THIS DRAWING REFLECTS THE IMPROVEMENTS CONSTRUCTED AS TO SIZE, LOCATION, AND GRADE; AND THAT THE CONSTRUCTION WAS IN SUBSTANTIAL COMPLIANCE WITH THE CONTRACT DOCUMENTS.

CONTRACTOR: _____ DATE: _____

TITLE: _____

| DATE | REVISION | BY |
|---------|------------------------------------|----|
| 9-25-24 | W.L. ADJUSTMENTS TO MATCH EXISTING | JM |
| | | |
| | | |
| | | |
| | | |

BAY RIDGE SUBDIVISION
FLOOD REDUCTION
PHASE 1A

BAY RIDGE DRIVE
STA. 0+00 TO END

LJA Engineering, Inc.

3600 W Sam Houston Parkway S
Suite 600
Houston, Texas 77042

Phone 713.953.5200
Fax 713.953.5026
FRN - F-1386

LJA PROJECT NO.: 0624-0101

DESIGNED BY: C.D.K. DRAWN BY: C.D.K. DATE: SEPTEMBER 2024

DRAWING SCALE:
HORZ: 1" = 50' HOR.
VERT: 1" = 5' VERT.

SHEET NO. 16 OF 33

CHANGE ORDER (CO) NO. __002__

PROJECT: **DR 2004 – Bayridge Flood Reduction Phase 1**

OWNER: **City of League City**

ENGINEER: **LJA Engineers**

CONTRACTOR: **G.W. Phillips Concrete Construction, Inc**

You are directed to make the following changes in the Contract:

DESCRIPTION AND REASON FOR THIS CO:

This change order will modify unit items to cover mobilization and boring work to install the original waterline alignment that proved to be unnecessary.

DESCRIBE CONTRACT PRICE (INCREASE/DECREASE) CHANGE FOR THIS CO:

Modify Items As Shown in Section D and Create “Change Order 2”

| Section D - Extra Work Items | | |
|--------------------------------------|--------------|---------|
| Item Description | Starting Qty | New Qty |
| Extra Excavation (Machine) | 25 | 15 |
| Extra Excavation (Hand) | 10 | 5 |
| Extra Labor (Skilled) | 80 | 30 |
| Extra Labor (Unskilled) | 80 | 20 |
| Extra Select Fill (Compacted) | 200 | 46.685 |
| Extra Cement Stabilized Sand | 20 | 10 |
| Extra Bank Sand | 10 | 5 |
| Extra Concrete (Form and Reinforced) | 15 | 5 |
| Extra Lime For Subgrade | 30 | 5 |

| Change Order 2 | | |
|------------------|------|-----------|
| Item Description | Qty | Cost |
| CO#2 | 1 LS | 17,207.88 |

ATTACHMENTS: Cost proposals

CHANGES IN CONTRACT PRICE

| | | |
|--------------------------------------|----|------------|
| ORIGINAL CONTRACT PRICE: | \$ | 919,283.45 |
| NET CHANGES FROM PREVIOUS CO: | \$ | 39,238.00 |
| CHANGE BY THIS CO: | \$ | 0.00 |
| CONTRACT PRICE WITH ALL APPROVED CO: | \$ | 958,524.45 |

RECOMMENDED BY:

Anthony Talluto
Anthony Talluto, Project Manager

DATE: 11/26/2024



G.W. Phillips Concrete Construction, Inc.

117 Oates Road Houston, Texas 77013 Ph: (713) 674-9400

BAY RIDGE FLOOD REDUCTION – PHASE 1
CHANGE ORDER NO. 2

| ITEM | DESCRIPTION | UM | QTY | UNIT | TOTAL |
|--|--------------------------|----|-----|------------------------|-------------------------|
| CHANGE ORDER NO. 2 | | | | | |
| SETUP AND CANCELLATION DUE TO POSSIBLE CHANGE OF PLANS. RETURN OF ALL MATERIALS FROM ORIGINIAL PLANS DUE TO POSSIBLE CANCELLATION / CHANGE IN PLANS PER THE CITY PROJECT MANAGER | | | | | |
| 1 | BORING CREW | LS | 1 | \$ 4,600.00 | \$ 4,600.00 |
| 2 | GW PHILLIPS STANDY TIME | LS | 1 | \$ 4,100.00 | \$ 4,100.00 |
| 3 | RENTAL FEES | LS | 1 | \$ 5,132.88 | \$ 5,132.88 |
| 4 | RESTOCKING FEES | LS | 1 | \$ 6,375.10 | \$ 6,375.10 |
| 5 | FREIGHT IN / FREIGHT OUT | LS | 1 | \$ 3,550.00 | \$ 3,550.00 |
| | | | | TOTAL: | \$ 23,757.98 |
| | | | | | 17,207.88 |

3,375.00

CHANGE ORDER (CO) NO. __003__

PROJECT: DR 2004 – Bayridge Flood Reduction Phase 1

OWNER: City of League City

ENGINEER: LJA Engineers

CONTRACTOR: G.W. Phillips Concrete Construction, Inc

You are directed to make the following changes in the Contract:

DESCRIPTION AND REASON FOR THIS CO:

This change order will modify unit items to cover additions and mitigation of unforeseen interferences. In addition it will add time to the contract for the following:

- 1. 57 days added to adjust from the 12/8 notice to proceed to February 2, 2025**
- 2. 30 days added due to scope change in waterline alignment**
- 3. 19 days associated with change order 3**
- 4. 7 approved rain days for Feb (6)/Mar(1)**
- 5. 6 days due to weather delayed wet connection**

The new substantial completion date will be June 25, 2025.

DESCRIBE CONTRACT PRICE (INCREASE/DECREASE) CHANGE FOR THIS CO:

Modify Items As Shown in Section D and Create “Change Order 3”

| Section D - Extra Work Items | | |
|--|--------------|---------|
| Item Description | Starting Qty | New Qty |
| Extra Excavation (Machine) | 15 | 0 |
| Extra Excavation (Hand) | 5 | 0 |
| Extra Labor (Skilled) | 30 | 0 |
| Extra Labor (Unskilled) | 20 | 0 |
| Extra Select Fill (Compacted) | 46.685 | 44.685 |
| Extra Cement Stabilized Sand | 10 | 0 |
| Extra Bank Sand | 5 | 0 |
| Extra Concrete (Form and Reinforced) | 5 | 0 |
| Extra Lime For Subgrade | 5 | 0 |
| Furnish and Remove Temporary Signal | 1 | 0.466 |
| Additional Utility Adjustments (Allowance) | \$25,000 | 0 |

| Change Order 3 | | |
|------------------|------|--------|
| Item Description | Qty | Cost |
| CO#3 | 1 LS | 30,650 |

ATTACHMENTS: Cost proposals

CHANGES IN CONTRACT PRICE

| | | |
|---|-----------|-------------------|
| ORIGINAL CONTRACT PRICE: | \$ | 919,283.45 |
| NET CHANGES FROM PREVIOUS CO: | \$ | 39,238.00 |
| CHANGE BY THIS CO: | \$ | 0.00 |
| CONTRACT PRICE WITH ALL APPROVED CO: | \$ | 958,524.45 |

CHANGES IN CONTRACT TIME

| | |
|--|------------|
| ORIGINAL CONTRACT TIME: | 80 |
| NET CHANGES FROM PREVIOUS CO: | 0 |
| CHANGE BY THIS CO: | 119 |
| CONTRACT TIME WITH APPROVED CO: | 199 |

RECOMMENDED BY: _____
Anthony Talluto, Project Manager

DATE: _____

APPROVED BY: _____
Ron Bavarian, Executive Director of
Capital Projects

DATE: _____



G.W. Phillips Concrete Construction, Inc.

117 Oates Road Houston, Texas 77013 Ph: (713) 674-9400

BAY RIDGE FLOOD REDUCTION – PHASE 1
CHANGE ORDER NO. 3 – CHANGES ON WATERLINE

| <u>ITEM</u> | <u>DESCRIPTION</u> | <u>UM</u> | <u>QTY</u> | <u>UNIT</u> | <u>TOTAL</u> |
|---|--|-----------|------------|-------------|--------------|
| CHANGE ORDER NO. 3 CHANGES ON WATERLINE | | | | | |
| 1 | ADDITIONAL NEW FIRE HYDRANT ASSEMBLY, 8"X6" TEE, 6" 90 *NOT CALLED OUT ON REVISED PLANS* | LS | 1 | \$ 8,500.00 | \$ 8,500.00 |
| 2 | BREAK & REMOVE UNFORESEEN CONCRETE METER VAULT WITH 6" THICK WALLS & 12" THICK FLOOR TO ALLOW FOR RECONNECTION TO EXISTING 8" WATERLINE. NORTH PORTION OF THE BOX BROKEN BELOW GRADE LEAVING THE LOWER PORTION TO SUPPORT EXISTING WATER VALVE PER CITY | LS | 1 | \$ 6,150.00 | \$ 6,150.00 |
| 3 | REPAIR & REINFORCEMENT OF EXISTING PUSH ON FIRE HYDRANT. EXISTING HYDRANT WAS RESTRAINED TO EXISTING VALVE PER CITY RECOMMENDATIONS. WATER WAS TURNED BACK ON AFTER THE REPAIR & HELD FOR 2 DAYS WHEN THE EXISTING PUSH ON VALVE POPPED OFF THE EXISTING TEE. THIS RESULTED IN ANOTHER WATER OUTAGE WAS RESTRAINED & REINSTALLED PER THE CITY. WHERE A NEW VALVE WAS USED TO REPAIR THE ISSUE & ALLOW FOR THE HYDRANT TO BE REINSTALLED. REINSTALL EXISTING HYDRANT DAY 1: HYDRANT RESTRAINED DAY 2: VALVE RESTRAINED DAY 3: VALVE REPLACED & ALL RESTRAINED | LS | 1 | \$ 4,700.00 | \$ 4,700.00 |
| 4 | 6" GATE VALVE FOR EXISTING HYDRANT TO REMAIN AT GAS STATION. INCLUDING CONNECTION TO EXISTING 6" WATERLINE | LS | 1 | \$ 3,550.00 | \$ 3,550.00 |
| 5 | INSTALL 1" SERVICE TAP FOR BLOWOFF & CHLORINATION SERVICES, DUE TO CHANGE IN DIRECTION OF TIE-IN | LS | 1 | \$ 2,800.00 | \$ 2,800.00 |
| 6 | SERVICE BORE FOR NEW LONG WATER SERVICE | LS | 1 | \$ 4,950.00 | \$ 4,950.00 |
| | | | | TOTAL: | \$ 30,650.00 |

2 DAYS FOR ITEM 1
2 DAYS FOR ITEM 2
3 DAYS FOR ITEM 3
2 DAYS FOR ITEM 4
22 ADDITIONAL DAYS (3/4/2025-3/26/2025) ITEM 5
3 DAYS FOR ITEM 6
6 DAYS FOR POSTPONING OF WET CONNECT PER WATER
DEPARTMENT'S BEST INTEREST DUE TO ANTICIPATED
INCLEMENT WEATHER
40 TOTAL DAYS